

## ABSTRACT OF THE DISCLOSURE

A multi-stack optical data storage medium (30), for recording using a focused radiation beam (40) having a wavelength •  
5 and entering through an entrance face (41) of the medium (30) is described, has a first substrate (31a) having, on a side thereof, a first  $L_0$  guide groove (38) formed therein, and a first recording stack (33)  $L_0$  comprising a recordable type  $L_0$  recording layer (35). The  $L_0$  recording layer (35) has a thickness  $d_{L0G}$  in the groove (38)  
10 and a thickness  $d_{L0L}$  adjacent the groove (38). A second substrate (31b) has, on a side thereof, a second  $L_1$  guide groove (37) formed therein, and a second recording stack (32)  $L_1$  comprising a recordable type  $L_1$  recording layer (34). The  $L_1$  recording layer has a thickness  $d_{L1G}$  in the groove and a thickness  $d_{L1L}$  adjacent the  
15 groove. The second recording stack (32) is present at a position closer to the entrance face (41) than the  $L_0$  recording stack (33). The depth of the first  $L_0$  guide groove (38) is smaller than 0.15• and  $d_{L0L}$  is substantially equal to or larger than  $d_{L1G}$  by which it is achieved that the  $L_0$  stack (33) has a reflection level and a  
20 modulation level of recorded marks compatible with the dual layer DVD-ROM specification.